

"Performance-Based Supply Chain Management System And Method With Collaboration Environment For Dispute Resolution"

Applicants: Daryl E. Eicher, Jr., et al.

Application No. 09/765,347

Attorney Docket No. 58462.000004

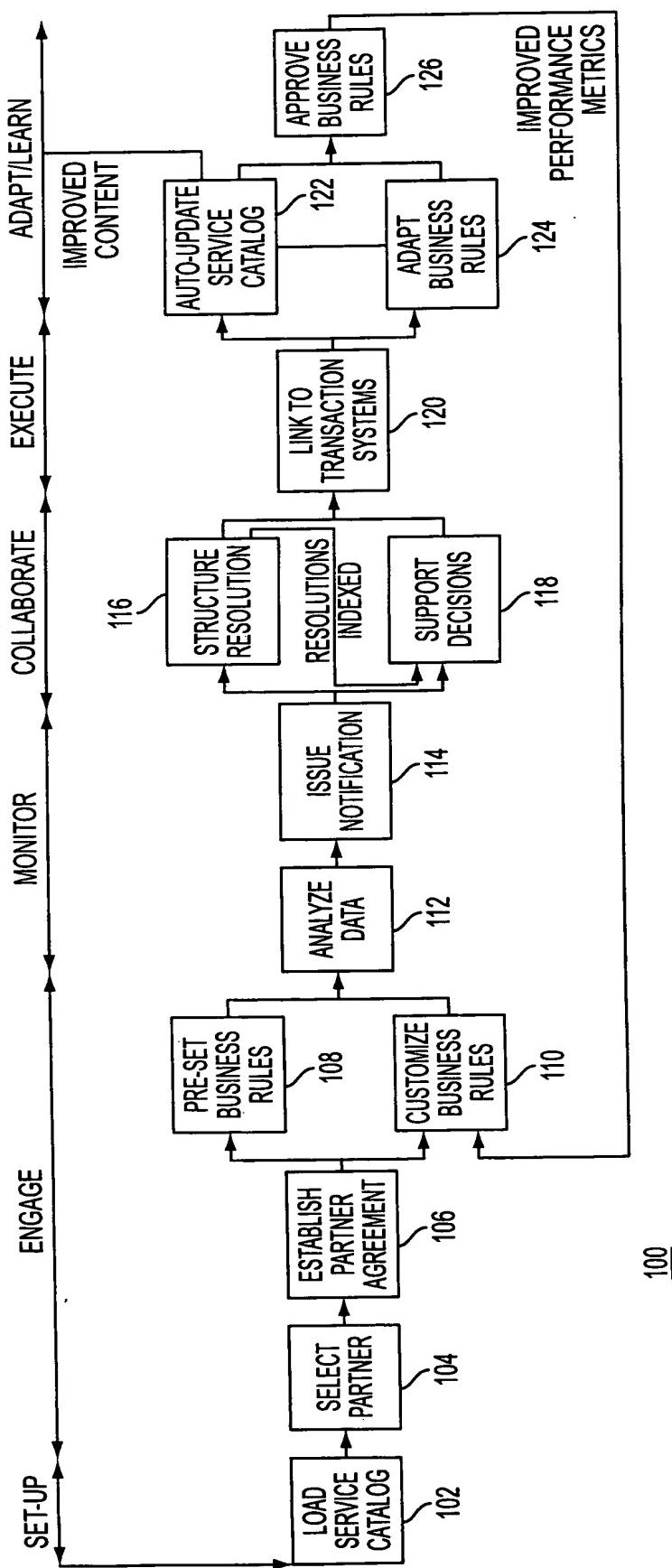
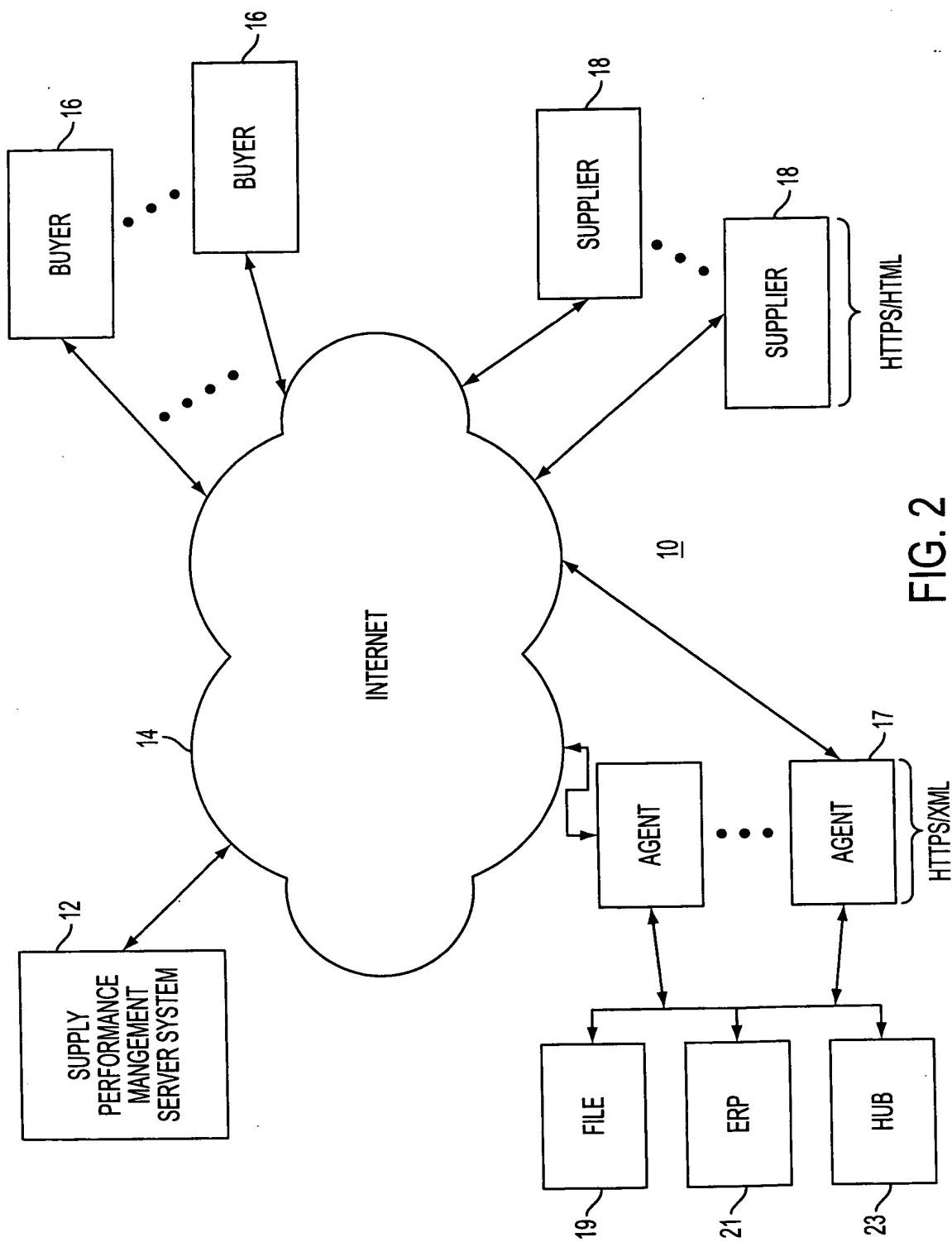


FIG. 1



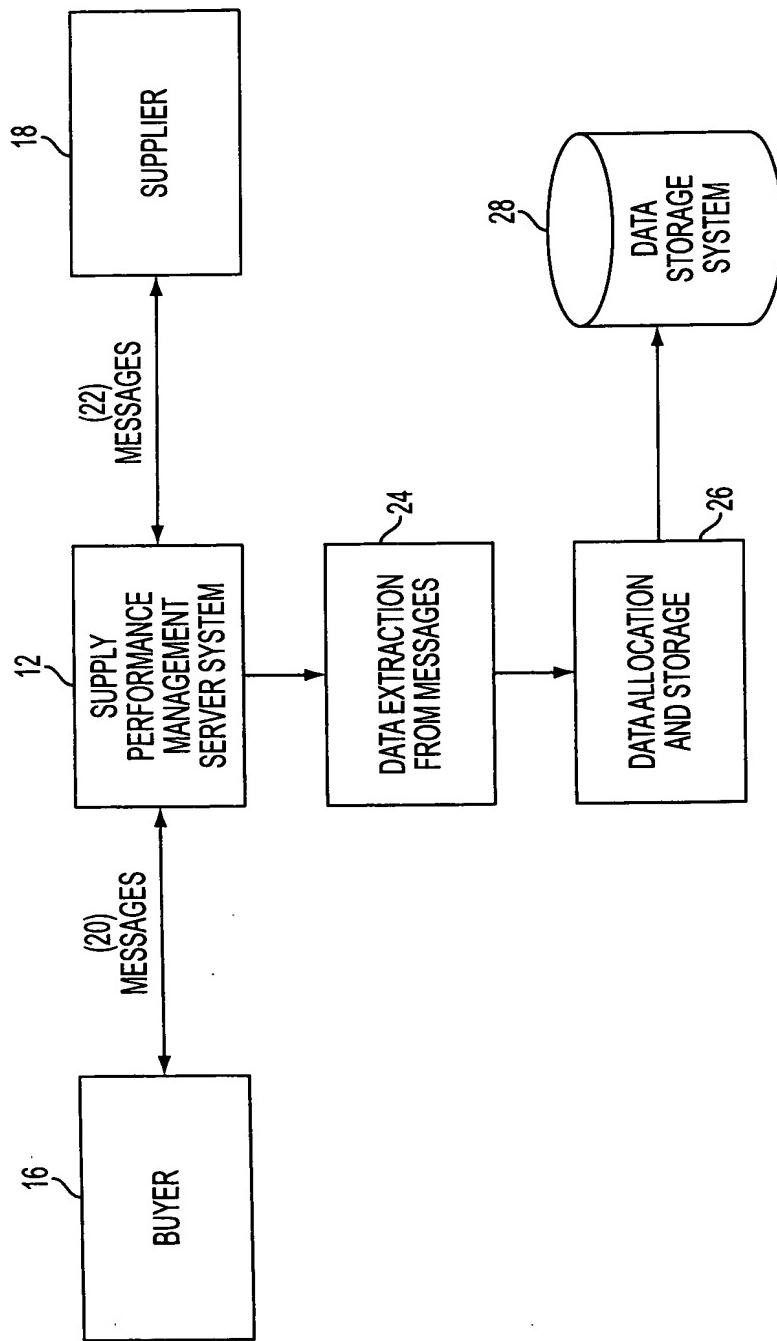


FIG. 3

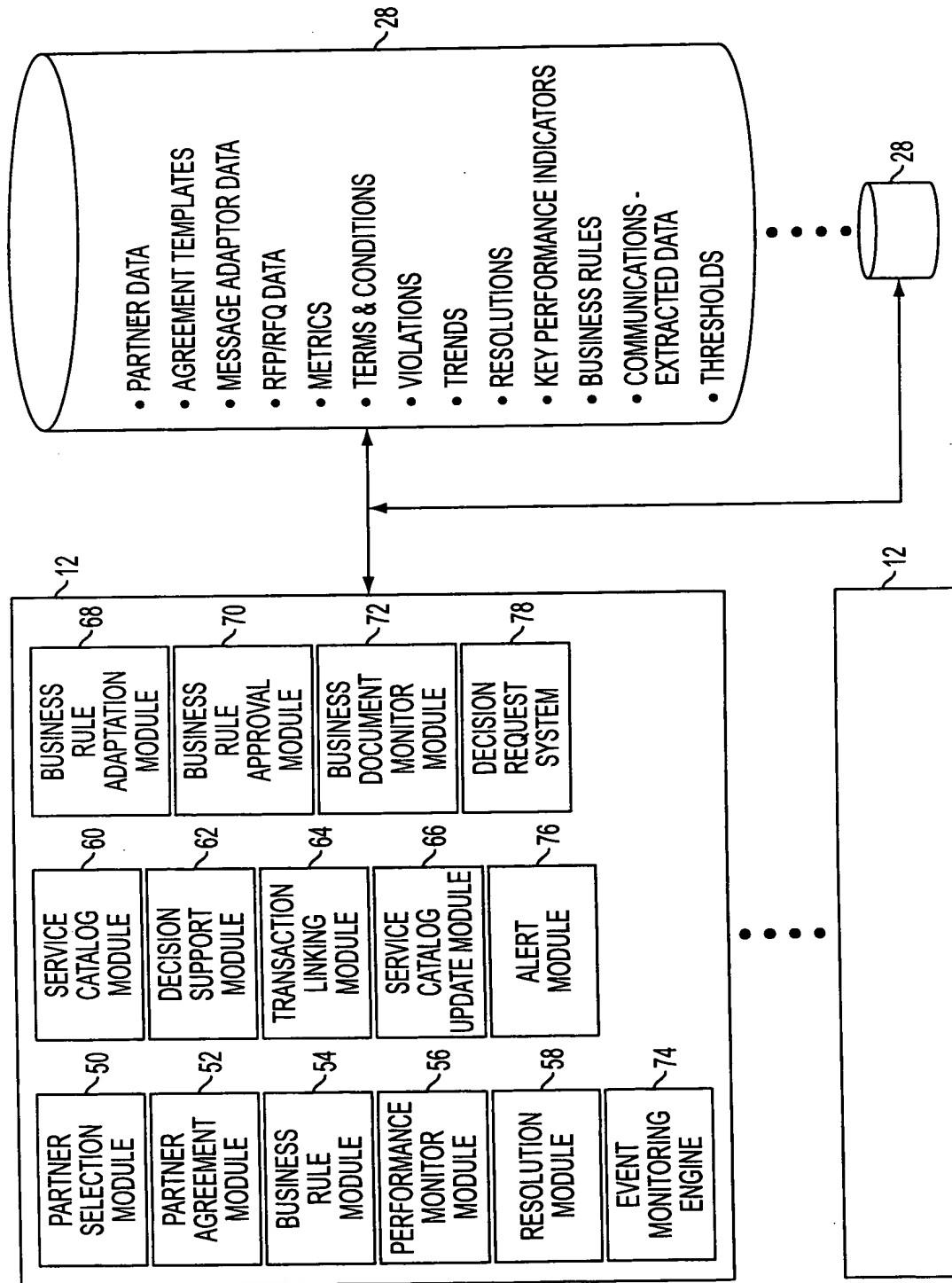


FIG. 4

"Performance-Based Supply Chain Management System And
Method With Collaboration Environment For Dispute
Resolution"
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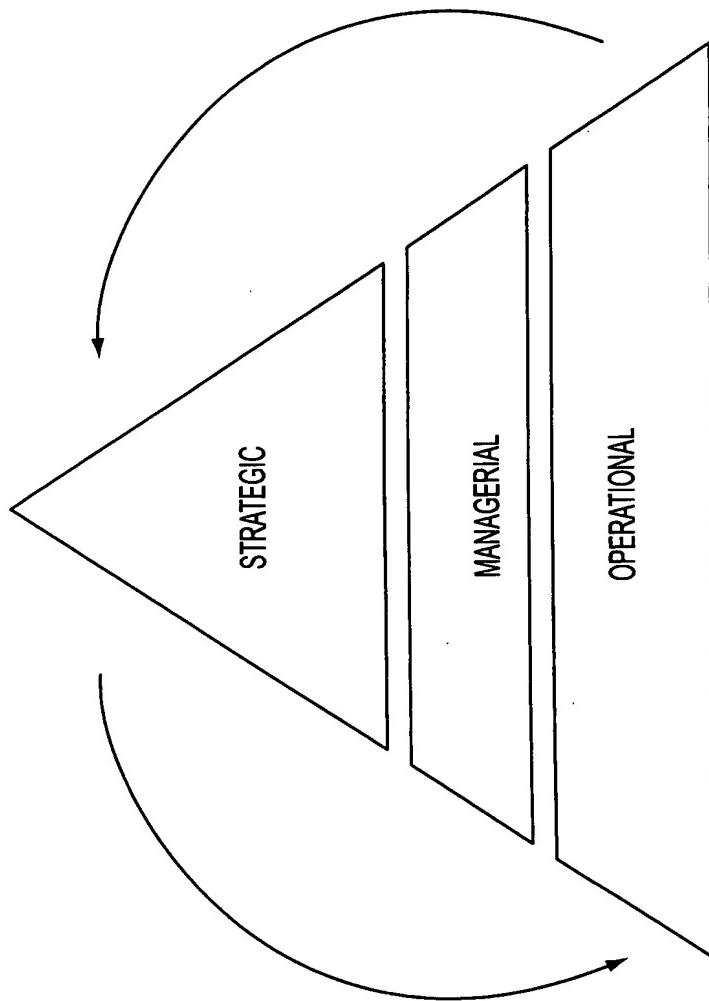


FIG. 5

"Performance-Based Supply Chain Management System A Method With Collaboration Environment For Dispute Resolution"

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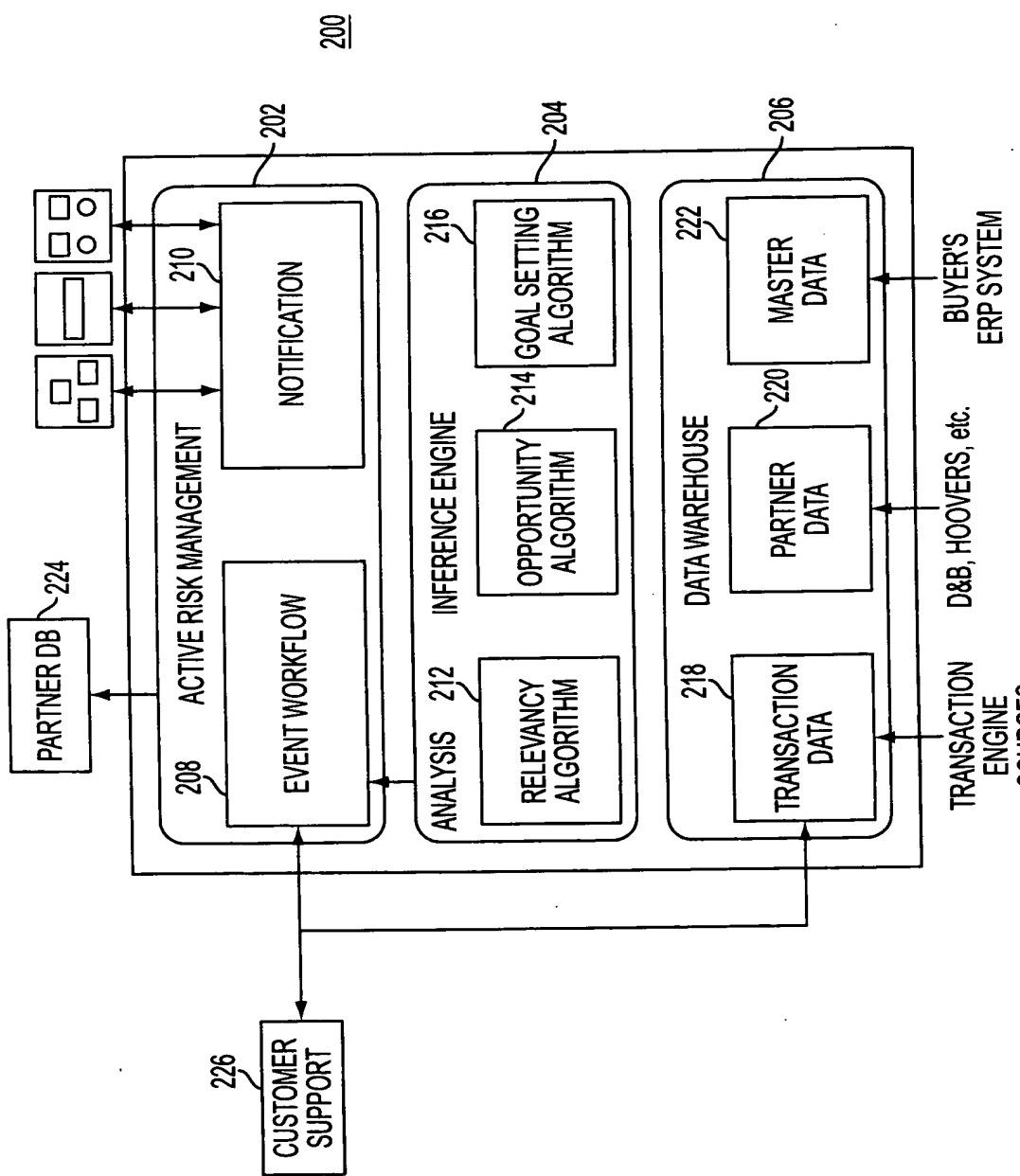


FIG. 6

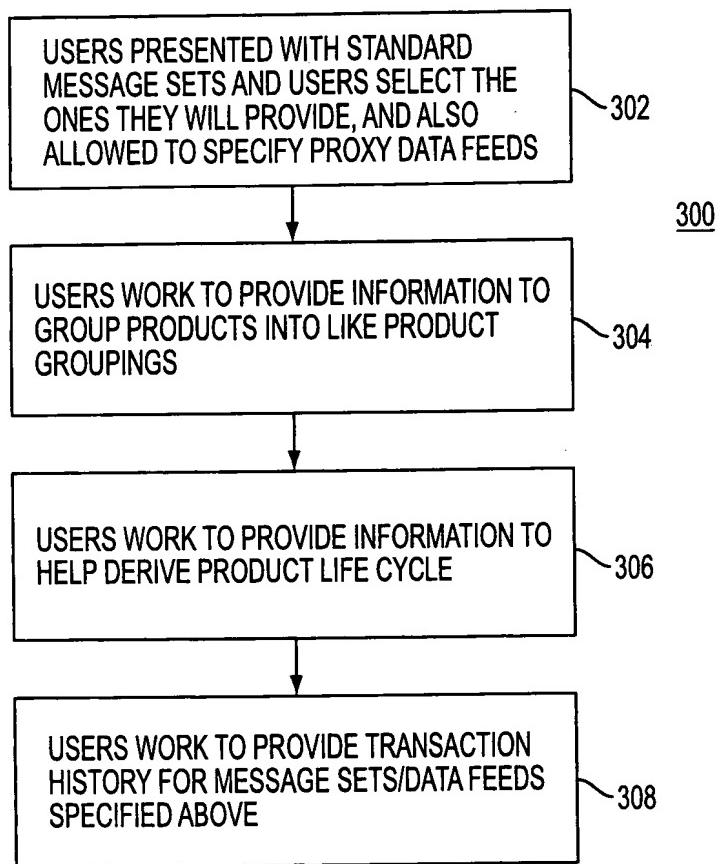


FIG. 7

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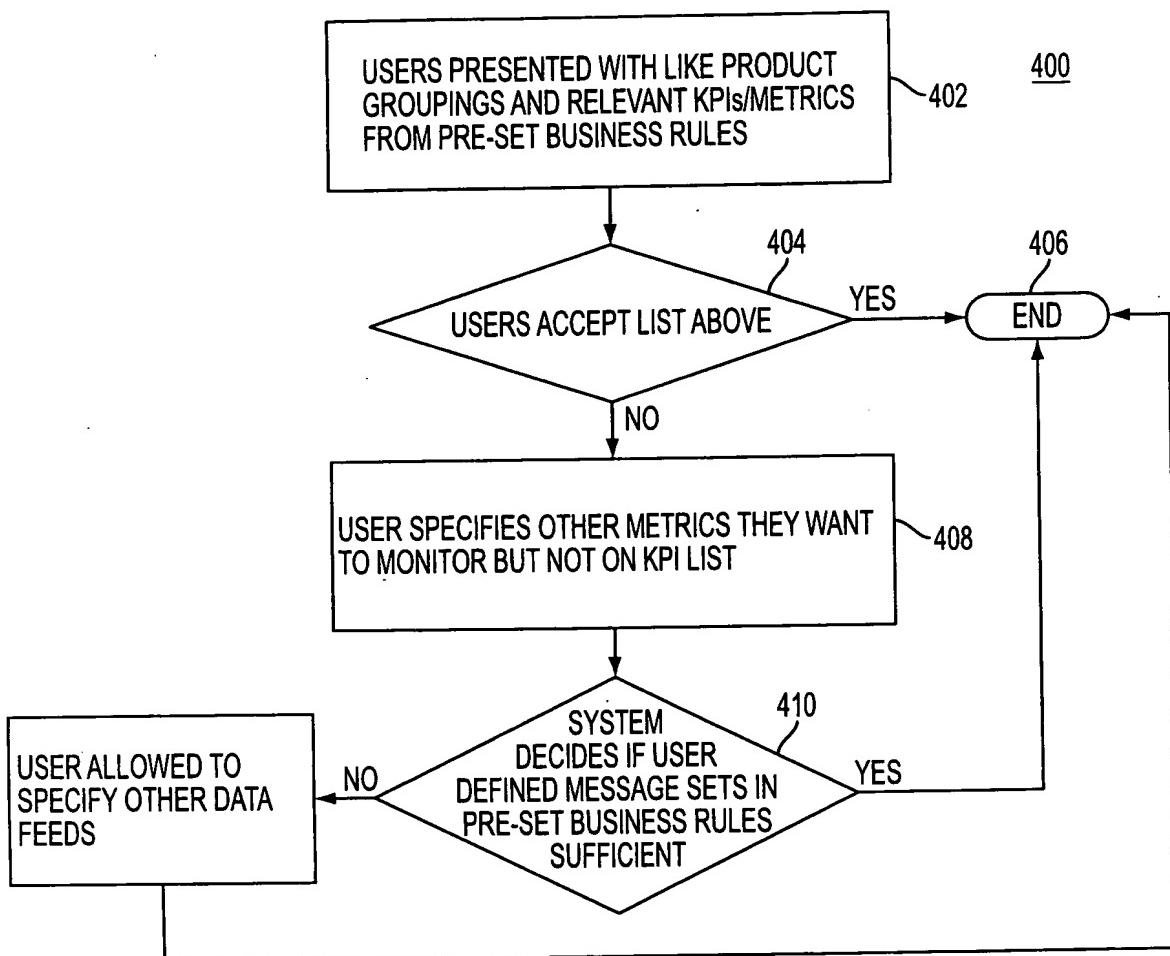


FIG. 8

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"Performance-Based Supply Chain Management System A
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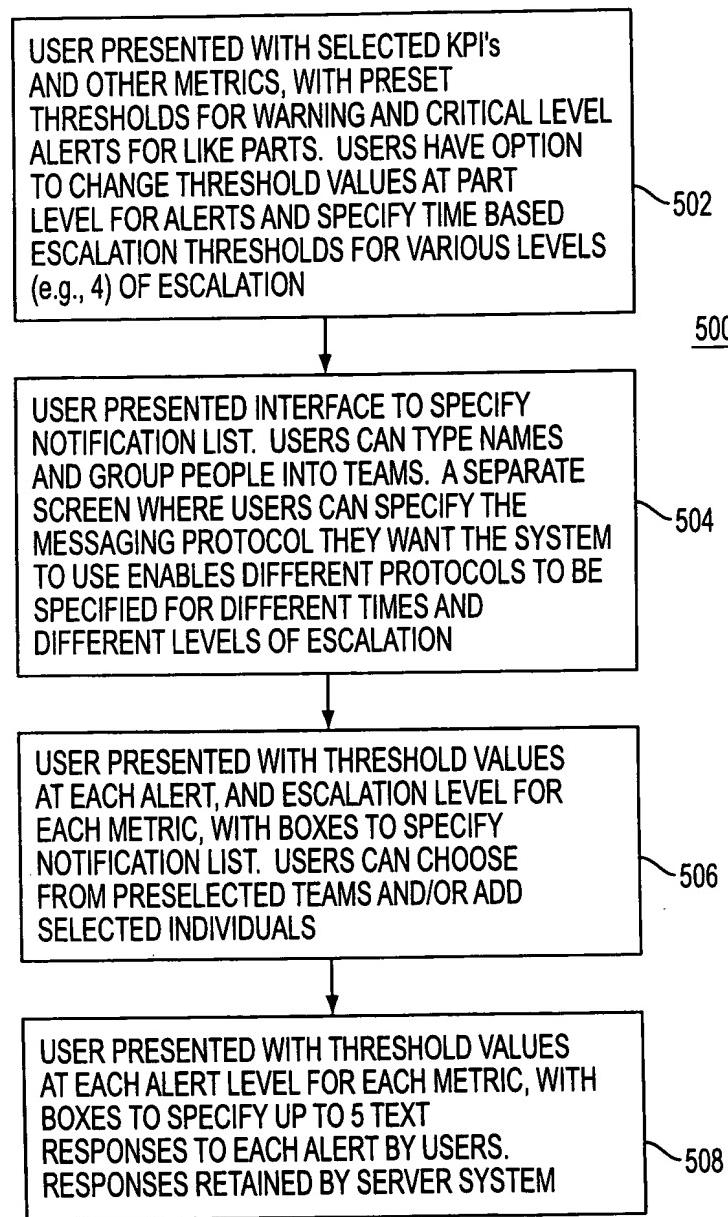


FIG. 9

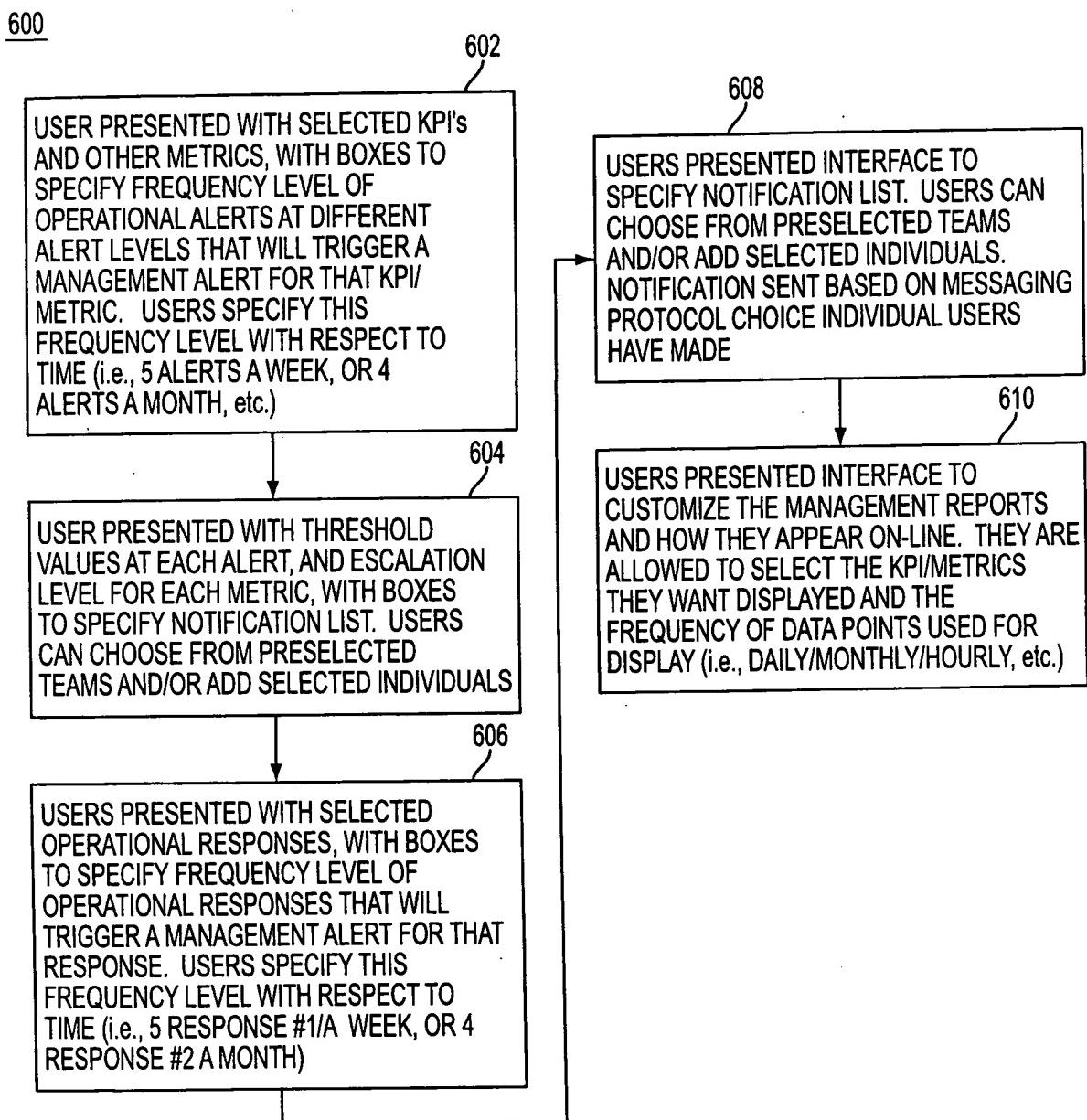


FIG. 10

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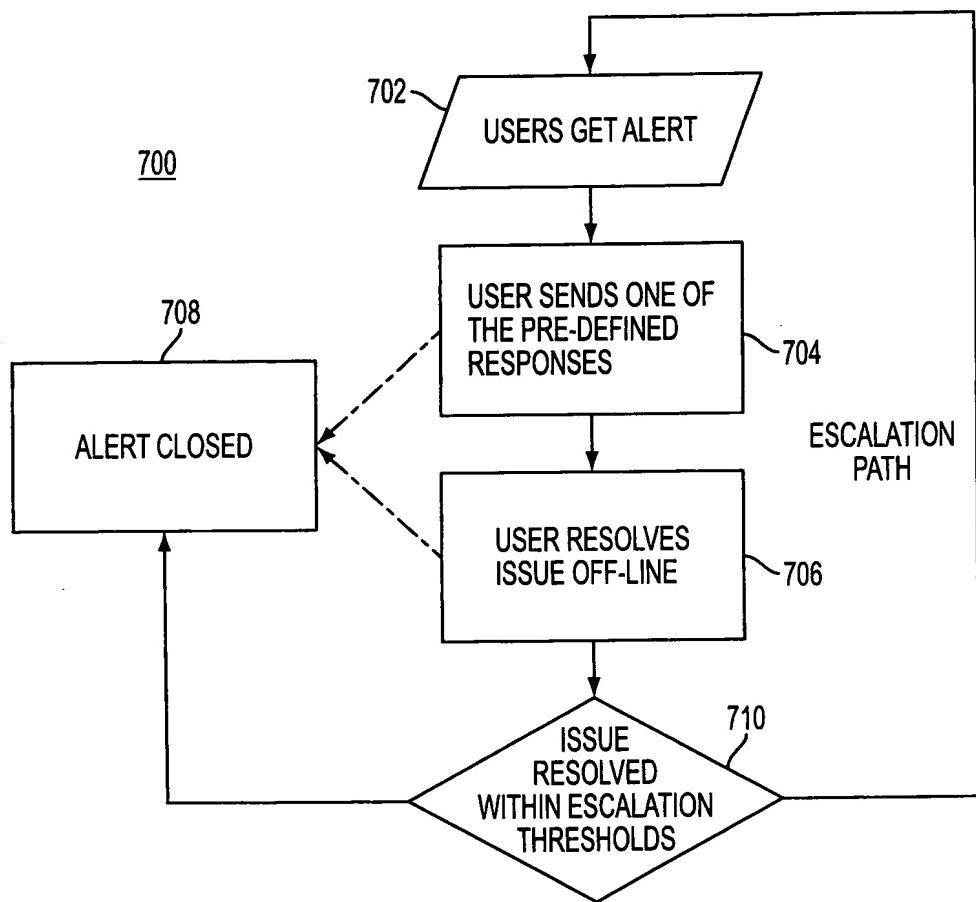


FIG. 11

"Performance-Based Supply Chain Management System And
Method With Collaboration Environment For Discrete
Manufacturing Solution"

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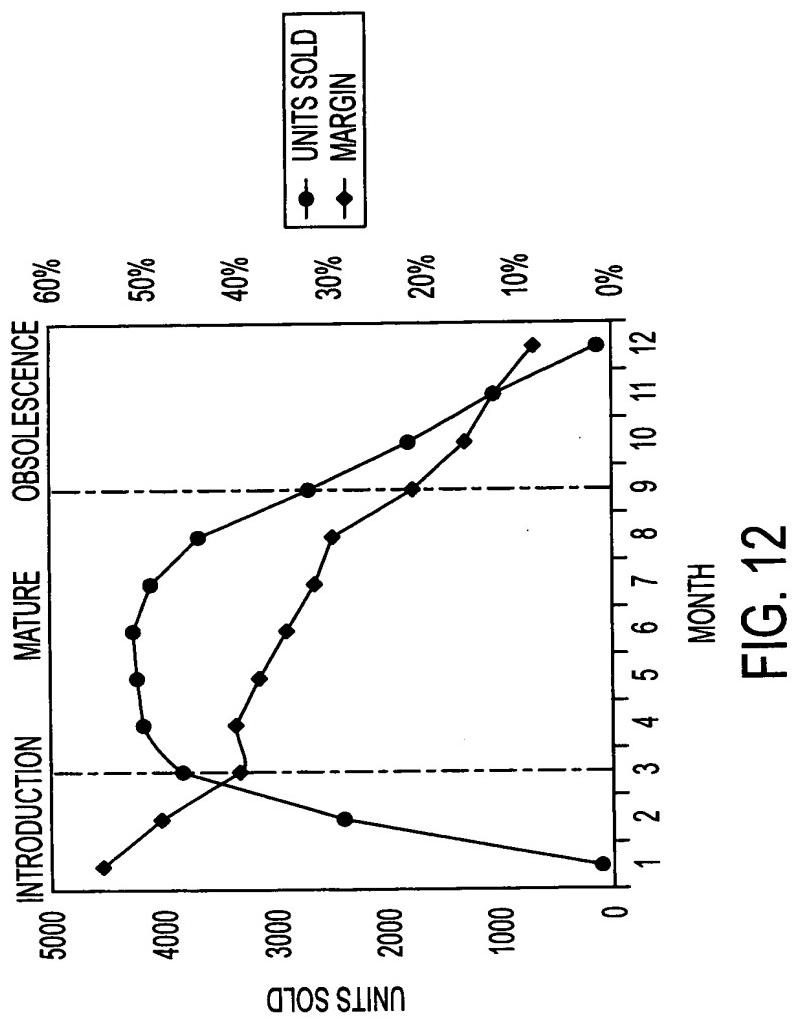


FIG. 12

"Performance-Based Supply Chain Management System And Method With Collaboration Environment For Dispute Resolution"

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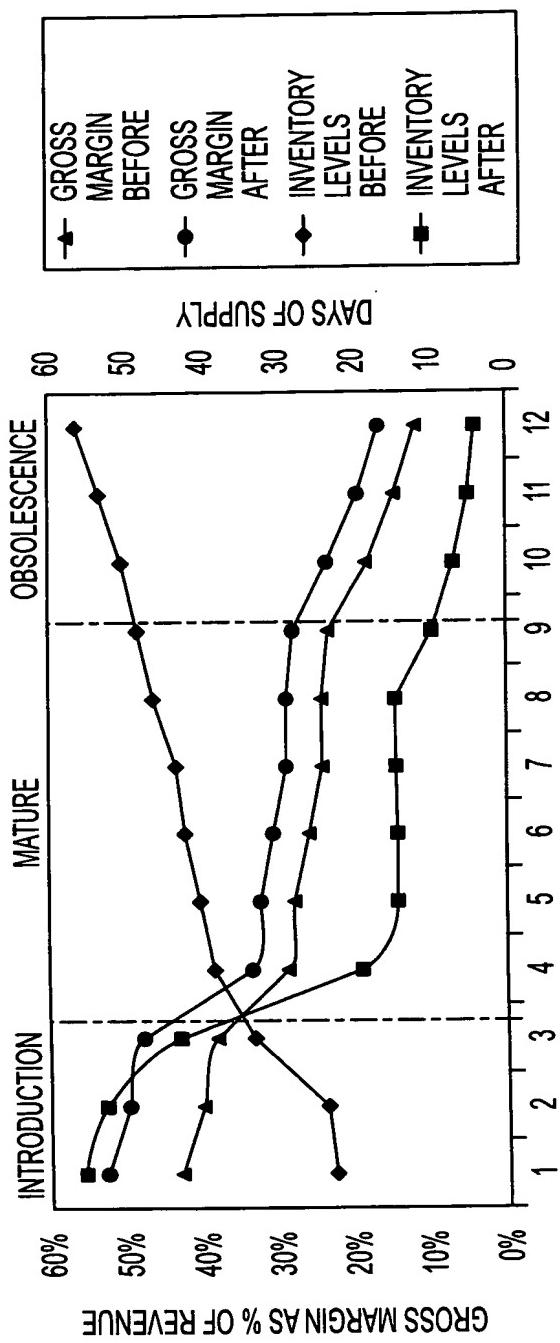


FIG. 13

KPI's	USER DEFINED/OTHER ELEMENTS							
	PRODUCT STANDARD COST	PRODUCT LIFECYCLE	PRODUCT LIFE CYCLE, PRODUCT STANDARD COST	INDUSTRY BENCHMARKS, USER DEFINED COMPOSITE METRICS	PAYOUT CYCLE TIME INFORMATION			
CASH-TO-CASH								
Fill Rate								
Perfect Order								
On-Time-Delivery								
On-Time-SHIP								
InVENTORY TURNS								
Days of Supply	x	x	x	x	x	x	x	x
Service Level	x	x	x	x	x	x	x	x
Forecast Variance	x	x	x	x	x	x	x	x
Forecast Accuracy	x	x	x	x	x	x	x	x
Analytic Packs	x	x	x	x	x	x	x	x
Tradeoff Service Level vs. Cost	x	x	x	x	x	x	x	x
Confidence Factor	x	x	x	x	x	x	x	x
Tradeoff Customer Service Levels vs. Channel Inventory Levels	x	x	x	x	x	x	x	x
Rank and Manage Partner Performance	x	x	x	x	x	x	x	x
Tradeoff Cash-to-Cash vs. Service Level and Inventory	x	x	x	x	x	x	x	x

FIG. 14A

ANALYTIC PACKS	DETAILS	
	DETAILS	INPUT
TRADEOFF SERVICE LEVEL VS. COST	ALLOW USERS TO VIEW TRADEOFFS BETWEEN FORECAST ACCURACY, LEVEL OF INVENTORY, COST AND SERVICE LEVELS. THIS LETS USERS SET POLICY THAT OPTIMIZES THE RELATIONSHIP BETWEEN THESE 3 VARIABLES, ALLOWING USERS TO SET INVENTORY LEVELS THAT MINIMIZES COST WHILE ACHIEVING DESIRED SERVICE LEVELS. ALSO LETS USERS TO SPECIFY POLICY BASED ON PRODUCT LIFECYCLE PROFILING, ALLOWING DIFFERENT POLICY TO BE SET FOR DIFFERENT PRODUCTS WITH SYSTEM RECOMMENDATIONS AROUND WHICH KPI TO OPTIMIZE BASED ON LIFECYCLE STAGE (SERVICE LEVEL AT INTRODUCTION, INVENTORY LEVELS AT OBSOLESCENCE)	HISTORICAL INFORMATION AROUND FORECAST ACCURACY, INVENTORY LEVELS (DOS), SERVICE LEVELS, PRODUCT LIFECYCLE INFORMATION
CONFIDENCE FACTORS	ALLOW USERS TO SEE THE DEGREE OF RELIABILITY AND ACCURACY OF PARTNER AND NETWORK COMMITMENTS BASED ON PRODUCT LIFECYCLE. THIS LETS THEM MAKE ALLOWANCES IN THEIR GOAL/THRESHOLD SETTING TO TAKE INTO ACCOUNT A PERCEIVED DEGREE OF INACCURACY/VARIANCE	HISTORY OF PERFORMANCE FOR FORECAST ACCURACY, FORECAST VARIANCE, ON-TIME-SHIP, ON-TIME-DELIVERY, PERFECT ORDER, FILL RATE
TRADEOFF CUSTOMER SERVICE LEVELS VS. CHANNEL INVENTORY LEVELS	ALLOW USERS TO VIEW TRADEOFFS BETWEEN CUSTOMER SERVICE LEVELS AND LEVELS OF INVENTORY TAKING INTO ACCOUNT THE PRODUCT LIFECYCLE. ALLOWS USERS TO SET GOALS THAT ACHIEVE DESIRED CUSTOMER SERVICE LEVELS WHILE MINIMIZING AMOUNT OF INVENTORY THAT NEEDS TO BE CARRIED. ALSO ALERT USERS WHEN GOALS SET ARE NOT APPROPRIATE BASED ON PRODUCT LIFECYCLE STAGE	HISTORICAL INFORMATION AROUND ON-TIME-SHIP, ON-TIME-DELIVERY, PERFECT ORDER, INVENTORY LEVELS (DOS), PROD STD COST & PRODUCT LIFECYCLE INFORMATION
RANK AND MANAGE PARTNER PERFORMANCE	ALLOW USERS TO SEE AND COMPARE PARTNER PERFORMANCE ACROSS THE SUPPLY-CHAIN NETWORK AND ALSO ACROSS INDUSTRY BENCHMARKS	HISTORICAL INFORMATION ON PARTNER PERFORMANCE FOR RELEVANT KPIs (OTS, OTD, FILL RATE, PERFECT ORDER), INFORMATION AGGREGATION FROM OTHER PREMONITION INSTALLATIONS, DATA FEEDS FROM D&B, HOOVERS AND OTHER INDUSTRY DATABASES, USER DEFINED COMPOSITE METRICS
CONFIDENCE FACTORS	ALLOW USERS TO SEE HOW CHANGING SERVICE LEVELS AND INVENTORY LEVELS AFFECT THE CASH-TO-CASH CYCLE TIME. ALLOWS USERS TO SET GOALS ACROSS THE OTHER 2 METRICS TO MINIMIZE THE CASH-TO-CASH CYCLE TIME	HISTORICAL INFORMATION ON SERVICE LEVELS, INVENTORY LEVELS, & CASH-TO-CASH CYCLE TIME

FIG. 14B

"Performance-Based Supply Chain Management System And
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MESSAGE SETS									
KPI's	FORECAST ACCURACY	FORECAST VARIANCE	SERVICE LEVEL	DAYS OF SUPPLY	ON-TIME-SHIP	ON-TIME-DELIVERY	PERFECT ORDER	FILL RATE	ANALYTICS
FORECAST (830)	X	X	X	X	X	X	X	X	TRADEOFF ANALYSIS BETWEEN SERVICE LEVELS AND COST. SET CONFIDENCE LEVELS BASED ON PAST PERFORMANCE AND PRODUCT LIFECYCLE PHASE.
PO/ACK (855)	X	X	X	X	X	X	X	X	HIGHLIGHTS RELIABILITY AND PREDICTABILITY OF FORECASTING PROCESS. SET CONFIDENCE LEVELS BASED ON PRODUCT LIFECYCLE PHASE AND PAST PARTNER PERFORMANCE.
PO (850)	(846)	(862)	(862)	(810)	(820)	(856)	(861)	(861)	TRADEOFF ANALYSIS OF LOST REVENUE VS. HIGHER INVENTORY CARRYING COSTS. SET SMART GOALS BY PRODUCT BASED ON LIFECYCLE PROFILING.
INVOICE (810)									MINIMIZE INVENTORY LEVELS WHEN COMFORTABLE WITH FORECAST VARIABILITY. ACCELERATE INVENTORY TURNS BY DYNAMICALLY ADJUSTING GOALS BASED ON PRODUCT LIFECYCLE AND PAST PERFORMANCE OF PARTNERS.
PO/ACK (855)									IMPROVE CUSTOMER SATISFACTION AND RETENTION BY ACTIVELY MANAGING TRADEOFFS BETWEEN CUSTOMER SERVICE LEVELS AND CHANNEL INVENTORY LEVELS. SET AGGRESSIVE, ACHIEVABLE GOALS BY PRODUCT BASED ON LIFECYCLE PHASE.
PO (850)									IMPROVE CUSTOMER SATISFACTION AND RETENTION BY ACTIVELY MANAGING TRADEOFFS BETWEEN CUSTOMER SERVICE LEVELS AND CHANNEL INVENTORY LEVELS. SET AGGRESSIVE, ACHIEVABLE GOALS BY PRODUCT BASED ON LIFECYCLE PHASE.
INVENTORY REPORT (846)									ACTIVELY MANAGE PARTNER SERVICE LEVEL AND EFFECTIVENESS, TO CREATE A SUPERIOR CUSTOMER EXPERIENCE. FOCUS MANAGEMENT ATTENTION ON "HOT SPOTS" WITH META-ALERT PATTERN MATCHING TECHNOLOGY.
MATERIAL RELEASE (862)									ACTIVELY MANAGE PARTNER SERVICE LEVEL AND EFFECTIVENESS, TO CREATE A SUPERIOR CUSTOMER EXPERIENCE. USE TO RANK AND DRIVE PARTNER PERFORMANCE.
PAYMENT (820)									
ADVANCE SHIP NOTIFICATION (856)									
RECEIPT ADVICE (861)									

FIG. 14C

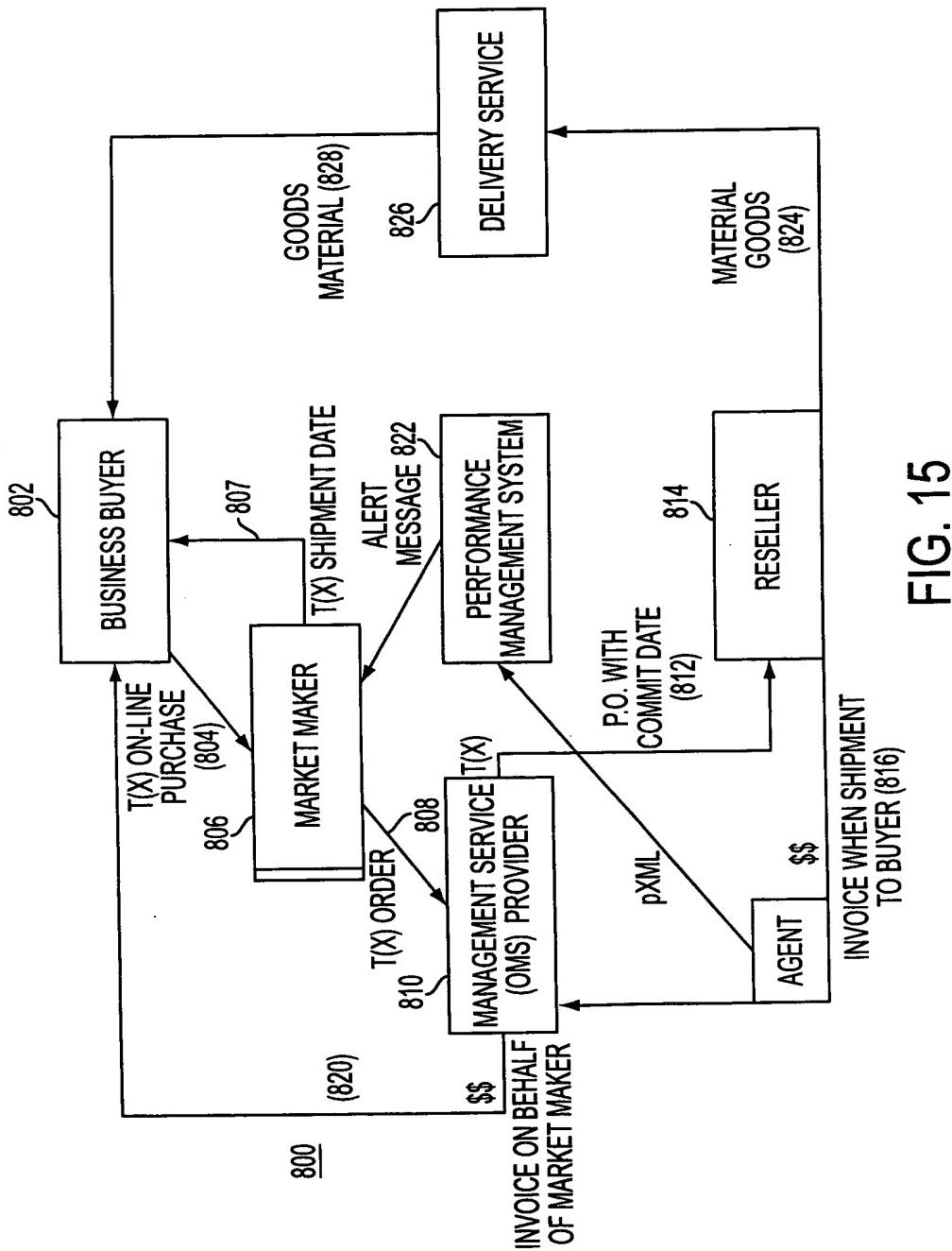


FIG. 15

“Performance-Based Supply Chain Management System And Method With Collaboration Environment For Dispute Resolution”

Resolution
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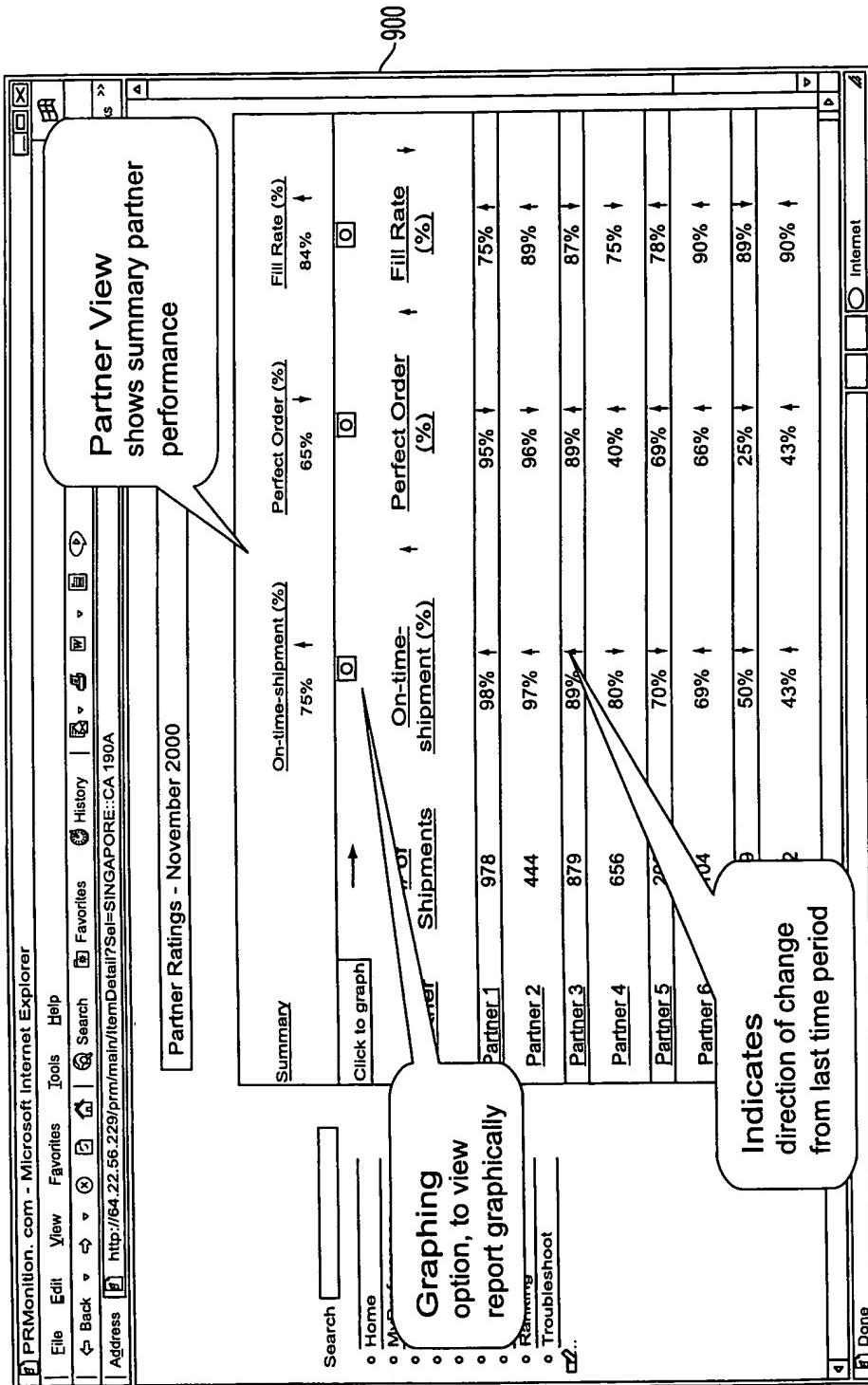


FIG. 16

"Performance-Based Supply Chain Management System A
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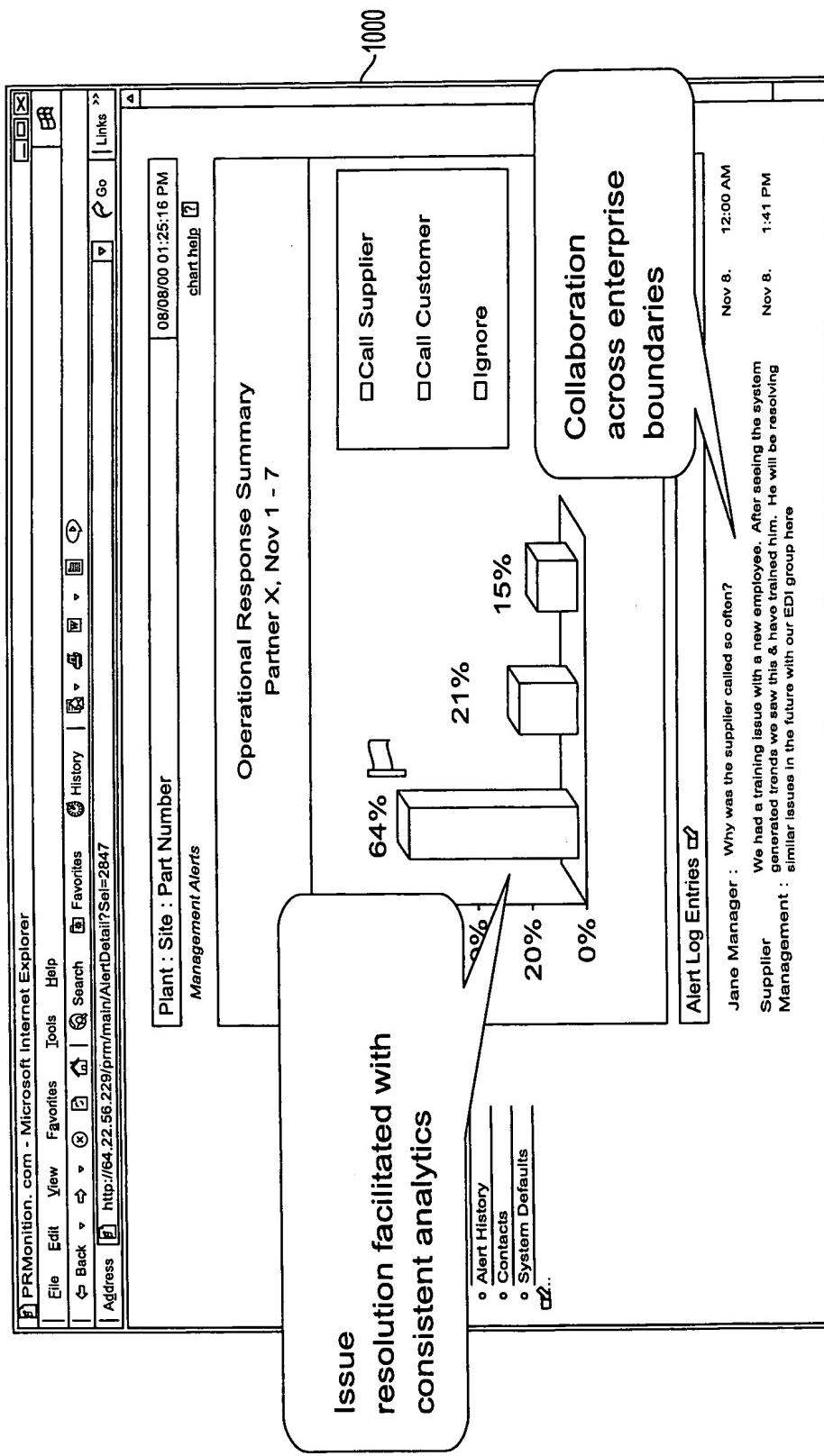


FIG. 17

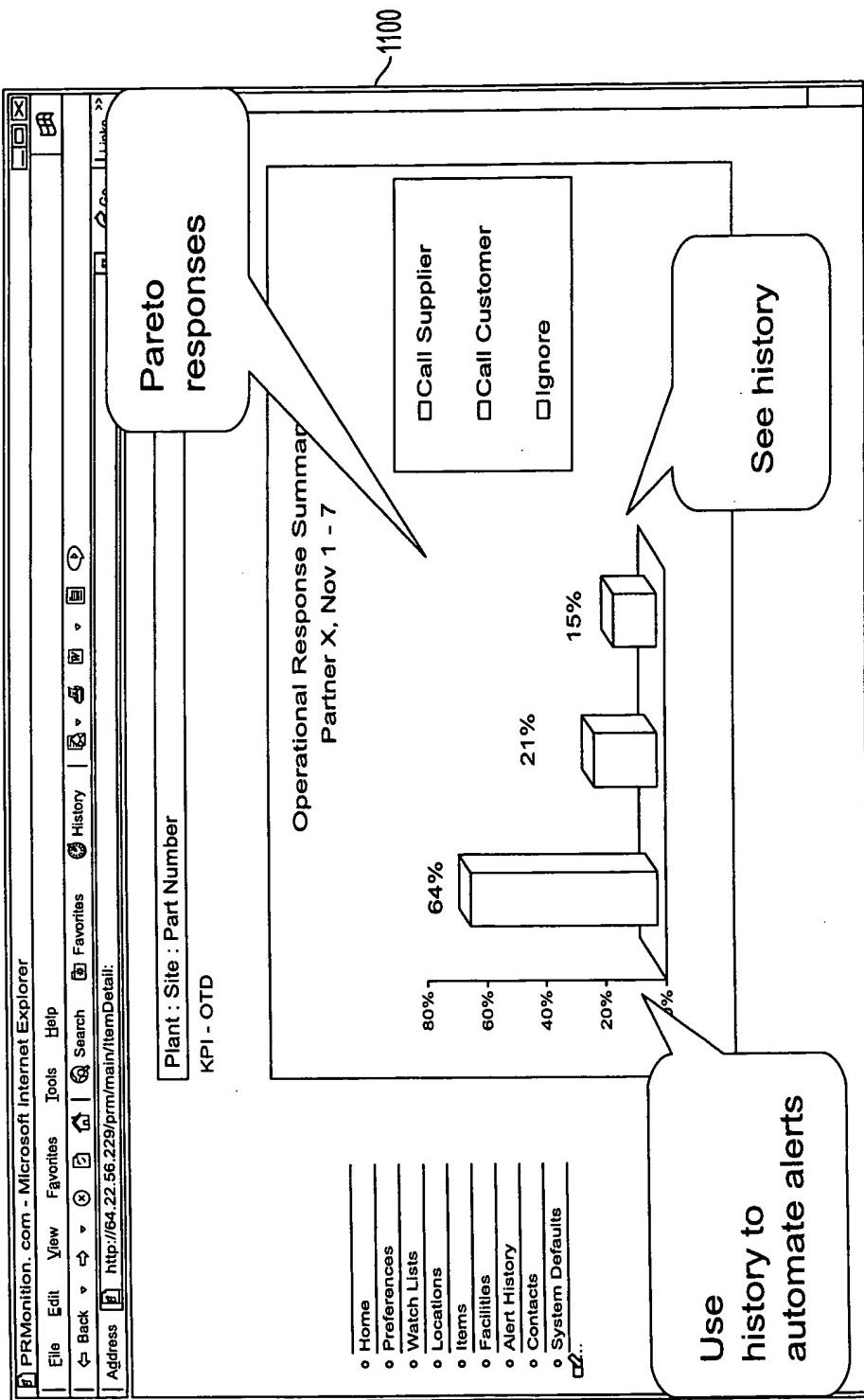
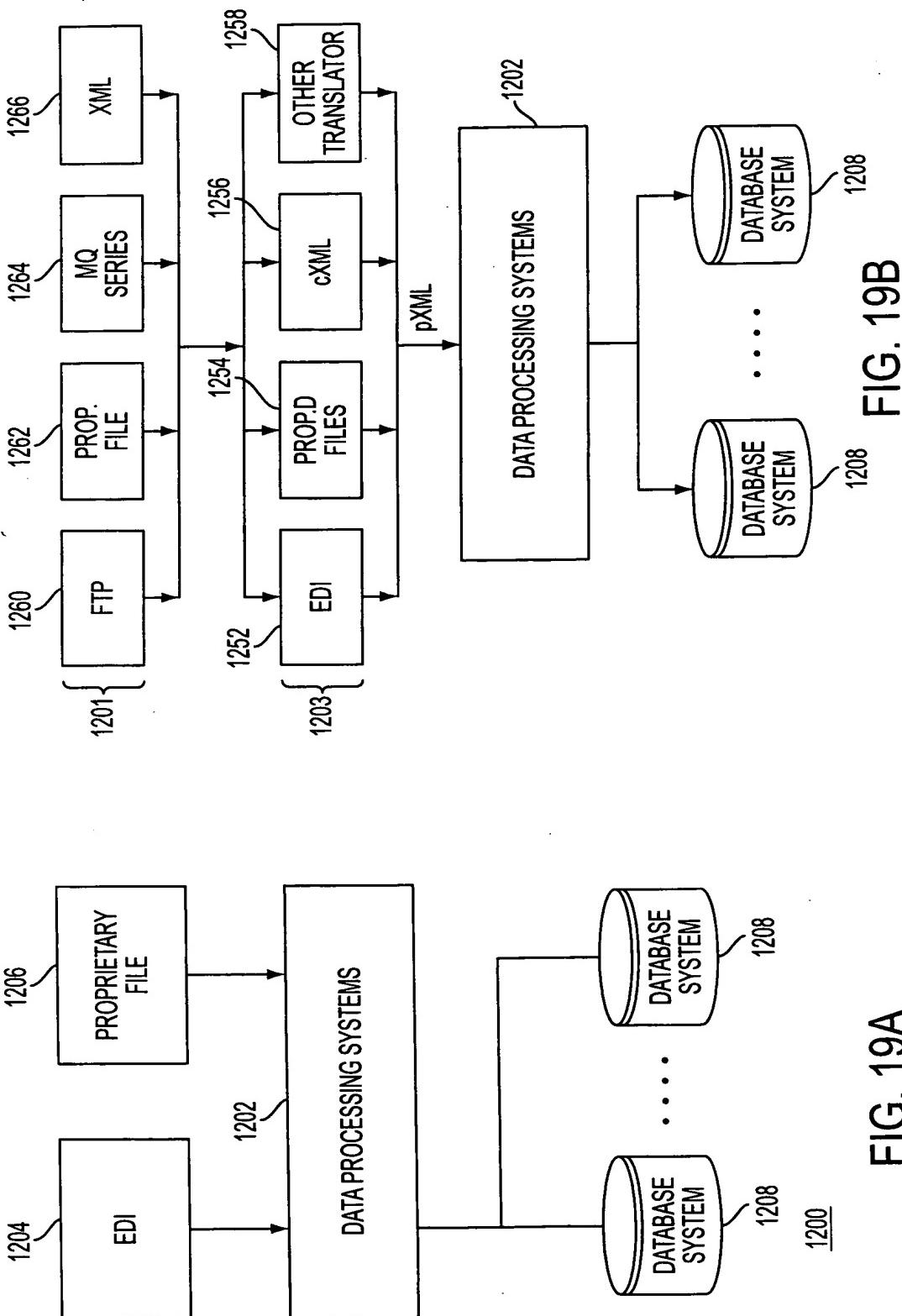


FIG. 18

"Performance-Based Supply Chain Management System And Method With Collaboration Environment For Dispute Resolution"



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